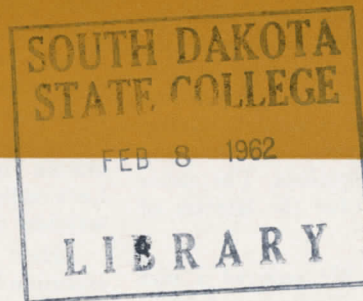


Volume 34, No. 2

March-April, 1961

SOUTH DAKOTA

Horticulture



THERE'S NO LAWN LIKE A GOOD LAWN

Dean Martin, Extension Horticulturist, and William Macksam, associate professor of Horticulture at South Dakota State College, team up to give you complete instructions for tailoring a lawn to South Dakota's weather condition. Information on fertilizer, grass mixtures, mowing, pest control and watering can be found in the article which begins on page 3.



Pasque Flower
Anemone patens

State Flower for
South Dakota

Twenty-five Cents

FOR BRILLIANCE AND VARIETY PLANT 'SCADS OF ANNUALS'

Here is an article on annual flowers that you have been waiting for. It provides complete information on what annual flowers can be used where. What types are best for shade? Which ones are suited to the rock garden? What types makes the best edging? Which will grow in dry soil? Which in wet? You can find the answers in the article which starts on page 5.



'hort' flashes

by DEAN MARTIN
Extension Horticulturist
South Dakota State College
Brookings, S. D.

"Spring Has Sprung?"—The first few days of April have acted more like the first few days of November. Many parts of the state could use plenty of nice warm moisture instead of the nasty, dirty, cold winds they have been getting.

Wanderings of An Extension Man. Recent trips have taken yours truly to Clark, Miner, Faulk, Lawrence, Custer, Pennington, Todd, Grant, Jerauld, Dewey, Zieback, Perkins, Corson and Walworth counties. This also included the Rosebud, Cheyenne and Standing Rock Indian Reservations. The above partially accounts for the lateness of this issue.

Ladies Night. We enjoyed a nice evening with the Wessington Springs Kiwanis Club men and their wives March 28. The program for the evening included a talk on "Home Grounds Improvements."

"Flowers of The World" is the title of the slide lecture to be given by Sultner Welles in Brookings on June 3, 1961. The State Federation of Garden Clubs is sponsoring this program and all proceeds are to go to the magazine fund. Get up a car load to attend this program and support the printing of the future issues of the magazine at

the same time. We are told that this is an outstanding program. The advanced publicity sounds good.

Centennial Issue. We would like to make the May-June issue a Centennial Special. We solicit your written contributions about special events of horticultural significance that have taken place during the past 100 years. We are pleading for some faithful reader who can take the time to dig out these interesting stories from the past. Now don't say you haven't been asked. Please send in any and all bits of information you feel would be fit to print. Let's really do it this time! Pictures are welcome too.

Arbor Day. E. K. "Jim" Ferrell, extension Forester and yours truly have been working with the Centennial Commission in arranging for school Arbor Day Programs to commemorate the centennial celebration. Gurney's and Dybvig's Nurseries are listing special tree offers for this event. The big day, as always, is the last Friday of April. This year it is April 28th.

Convention. Plans for the 1961 Convention seem to be progressing. The main skeleton of the program has been arranged but a few details still have to be worked out. The State

(Continued on page 6)

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Membership dues for the State Horticultural Society are \$2.00 annually, payable the first of January each year. Dues include payment for the bi-monthly magazine, "South Dakota Horticulture." Send remittances to Dean M. Martin, Secretary, College Station, Brookings, S. Dak.

THERE'S NO LAWN LIKE—

A GOOD LAWN

by

DEAN M. MARTIN
and WILLIAM G. MACKSAM

A good lawn is the basis of a beautiful home grounds. A good lawn depends on suitable soil, adapted grasses, adequate moisture, proper mowing, regular feeding and any necessary pest control operations.

SOIL

Soil for laws should have a fairly high organic content in order to conserve moisture. Peat, well-rotted manure and compost are good forms of organic matter. A rich loam is good lawn turf soil. The top soil should be at least four inches in depth. An ideal seed bed can be prepared with various types of equipment, the important accomplishment being a properly graded, firm, but not packed, soil. A seed bed with a graduation of soil particle sizes up to an inch in diameter is ideal for receiving the seed and necessary waterings and also for reducing erosion of the top soil.

FERTILIZER

Apply fertilizer at the rate of two pounds of actual nitrogen per 1,000 square feet. Work this into the soil as you prepare the new seed bed.

Fertilizer requirements for choice, established lawns range from four to six pounds of actual nitrogen per year. This should be applied in not less than two properly timed treatments. Cool-season grasses, as the name implies, make their most vigorous growth in March and August becomes available spring and fall. Fertilizer applied in to the grass when it can be utilized to the best dvantage. Organic fertilizers are recommended for use on the lawn during the summer months when the grass is growing less vigorously.

DAKOTA HORTICULTURE



SEED

Kentucky bluegrass is the best recommendation in most areas of South Dakota. It will require supplemental watering with water of suitable quality during periods of extended droughts. It does not tolerate constant heavy shade.

In sunny and moist areas a seed mixture of 60% Kentucky bluegrass, 30% Creeping Red fescue and 10% Redtop is suggested. In heavily shaded areas a mixture of 60% Creeping Red fescue, 30% Kentucky bluegrass and 10% Redtop would be superior. Packaged seed mixtures closely equaling these percentages are available, or the individual species can be purchased and mixed at home. About three pounds of the seed mixture per 1,000 square feet is sufficient.

In drier areas the Fairway strain of crested wheatgrass is recommended. Alta or Kentucky 31 fescue tolerate considerable drought and shade and can be used to advantage in dry shady locations. These three bunch grasses, having a larger see size will require up to eight pounds of seed per 1,000 sq. feet to establish the best turf.

Buffalo grass is often satisfactorily used in extremely dry areas. Seed treated to facilitate planting is available. Sow at the rate of two pounds per

1,000 squire feet. If Buffalo grass sod is available a lawn may be established by planting sod plugs of uniform size in checkrows.

SEEDING AND WATERING

Uniform seed distribution is of the utmost importnce. A light raking may be necessary to place a thin soil layer over the seed. Several thorough but gentle applications of water a day may be necessary to keep the seeds moist during the critical 10 to 20 day germination period.

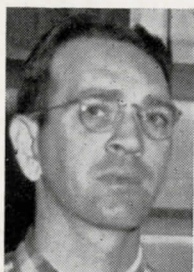
On established lawns the soil should be kept moist throughout at least the top 8 inches. This is best accomplished with periodic soakings rather than frequent light sprinklings.

SODDING

Establishing a new lawn by sodding is generally more expensive than starting a lawn from seed. However, sodding is generally more expensive than starting a lawn from seed. However, sodding has the advantage of immediate results. In some cases such as steep slopes it is often very difficult to establish a lawn by seeding and the use of sod would be very desirable. Soil preparation for sodding is the same as for seeding.

In some localities it is possible to have sod laid by commercial operators.

(Continued on page 6)



Martin

Annuals are plants which grow from seed, attain maturity, flower and produce seed in one season or less, then die. They are different from perennials which grow and flower year after year, or

biennials which grow vegetatively one year, flower the second season, then die.

Some annuals appear to live over from year to year. There are some hardy annuals which may do this, but more often, the plants which seemingly persist from year to year grow from seed which has wintered over in the soil.

As a group, the annuals come to us from all parts of the world. There is no class which is more versatile. They are admirable for bedding purposes, for edging or for "fill-in" material in the spring bulb garden and perennial border. The length of the colorful garden display can be increased by several months when we rely upon annuals seeded in the garden from mid to late summer.

It is wise to keep a few basic principles in mind when growing these choice flowers.

- A. Procure seed from a reputable source. Investigate those varieties which have been tested and proved. Seedsmen are proud of their pure strains of annuals and the desirability of using them can not be over-emphasized. Note which of these have been awarded National Garden Club prizes. Most of them are truly superb.
- B. In order to keep annuals blooming and thereby prolong the blooming season, faded flowers must be picked from the growing plants all summer long. If this is not done, the plants will bloom for only a short time and then die.

Annuals are listed under three classifications:

1. Hardy, those which will withstand early spring frosts and can be seeded in the open as soon as the ground can be worked.
2. Half-hardy, those which require a longer season to mature and bloom. These should be started indoors.
3. Tender, which require a still earlier start in the green-house or hotbed.

For Brilliance Plus Variety

Plant 'Scads of Annuals'

By DEAN MARTIN

These cannot be transplanted outdoors until all danger of frost is past.

HARDY ANNUALS

Seeds of these may be sowed directly in the soil early in the spring. The soil should be deeply dug and pulverized and liberally enriched with well-rotted barnyard manure or other organic matter used at the rate of about 5 bushels per 100 square feet of garden area. A 4-12-4 or similar commercial fertilizer, 4 pounds used over the same area may be incorporated during soil

Hardy annuals include: African Daisy (Arctotis and Dimorpotheca), Alyssum Annual Anchusa, Annual Baby's Breath, Bachelor's Button, Calendula, California Poppy (Escholtzia); Calliopsis, Candytuft, Celosia, Clarkia, Cosmos, Annual Sweet William (Dianthus), Stock, Caillardia, Larkspur, Lupine, Marigold (all types), Petunia, Phlox, Poppy (Shirley), Sunflower (Helianthus), Sweet Pea, Verbeena and Zinnia.

Half-Hardy Annuals: These may be started indoors or in the greenhouse about mid-March in shallow containers (3-4 inches deep), sowing the seeds in a light, ariable soil containing 30 to 40 per cent of sand.



Very fine seeds should be sown in the surface of the soil and pressed in, not covered. Shade the containers with a piece of paper and water sparingly until the new plants come above the soil. Then gradually, move to full sunlight. There they may require more water, but be cautious not to over-water, since this causes them to grow rank and succulent, and predispose them to attack by "damping off" diseases.

Half-hardy annuals include: Aster (all sorts), annual Flax (blue and scarlet), Lobelia, Painted Tongue (Salpiglossis), Pansy, Petunia, Phlox, Salvia, Snapdragon, Sweet sultan, Torenia, Verbena, and Wallflower.

Tender Annuals: These should be started in the same way as the half-hardy sorts, earlier in February in the greenhouse, or in hot beds during March.

These include Balsam, Butterfly flower (Schizanthus), Castor bean, Chrysanthemum (annual), Floss Flower, Gourd, Mignonette, Nasturtium, Scarlet Runner Bean and Everlastings.

Annuals for color: Not even among the perennials, can the brilliance and variety of colors be matched by that of annuals. Annuals truly run the gamut of the spectrum.

Individual tastes will determine the arrangement of colors in regard to pleasing combinations, although attention must be paid to harmony.

Beautiful effects are to be had by arranging single sorts, or types, or colors, of flowers in masses or "drifts" rather than using only a few of each type spaced far apart in the garden.

The following combinations have been tested and found to give excellent results:

- A. Maroon and white: Scabiosa and Nicotiana; Black Prince Snapdragon and Sweet Alyssum.
- B. Blue and yellow: Calliopsis and Bachelor Button; Zinnias and Larkspur.
- C. Pink and yellow: Snapdragon and Marigold; Verbena and Calendula; Annual Phlox Drummondii and Snapdragon; Scabiosa and Marigold.

(Continued on page 5)

DAKOTA HORTICULTURE

Scads of Annuals—

(Continued from page 4)

D. Pink and blue: Annual Phlox Drummondii as edging for Larkspur; Pink and Blue Larkspur; Sweet William and Ageratum.

E. Orange and red: Calliopsis and Nasturtium; Marigold and Salvia, Zinnia and Marigold; Gaillardia and Marigold.

Annuals for the Cutting Garden:

Annuals planted in rows are a valuable addition to any vegetable garden. Located there, they may be cut and used for floral arrangements without ruining the display, as they would taken from the permanent border planting.

Among the best are: African Daisy, Annual Carnation, Baby's Breath, Bachelor Button, Chrysanthemum (annual), Cosmos, Everlastings (ideal for dried arrangements), Grasses (annual), Larkspur, Love-in-a-mist, Marigold, Mignonette, Nasturtium, Painted Tongue (Salpiglossis), Pansy, Petunia, Phlox, Poppy, Stocks, Sweet Pea, Sweet Sultan and Verbena.

Annuals for the Shade: More often than not, it is difficult to grow good thrifty plants in the shade. Plants growing with insufficient sunlight tend to grow tall and rank, to have weak stems and foliage and flowers which lack good color. There are some sorts, however, which are shade tolerant. They include: Aster, Bachelor Button,

Pansy, Butterfly Flower, Snapdragon and Torenia.

Annuals for the Rock Garden: The "Backbone" of any good rock garden includes a selection of low-growing evergreens and deciduous shrubs and perennial plants. Annuals are valuable here too, because of their brilliant color display especially at a time when other sorts have finished flowering. The best of the low growing annuals for this purpose include:

Baby Blue-Eyes, Baby's Breath, Meadow Foam (native in wooded areas of South Dakota) Pimpernel, Stonecrop (Sedum Species), Violet Cress and Diamond-Flower.

Annual Climbing Vines: Canary Creeper, Cardinal Climber, Cup and aucer Vine, Cypress Vine, Gourds, Hyacinth-bean Vine, Moonflower Vine, Nasturtium, Scarlet Runner Bean, Sweet Pea and Wild Cucumber.

Annuals for Hanging Baskets and Window Boxes: Clock-Vine, Kenilworth Ivy, Alyssum, Browallia, Dusty Miller, Dwarf Zinnias, Floss Flower, Lobelia, Periwinkle, French Marigolds, Tom Thum Nasturtium, Pansy, Petunia, Phlox, Portulaca, and Verbena.

Annuals for Edging: Alyssum varieties; Little Gem, white; Carpet of Snow, white; Royal Carpet, violet; Brachycome, Lobelia, Dwarf Nasturtium and Nemesis, Violet Queen, violet and white, Anagallis (Pimpernel), many colored; Nemophila, and Pansy.

Back Issues of Horticulture Magazine Now Available

After going through some stacks of back issues of DAKOTA HORTICULTURE Magazine, it occurred to us that some of our readers might be interested in securing additional copies of them. Copies of all magazines issued since January-February 1958 are available with the exception of the July-August issue of 1958.

You can get as many of these as you like. There is a charge of ten cents per copy to handle postage and other mailing costs. If there is anything left over it will go into the printing fund. Anyone who wants any number of these back issues should provide the volume and the numbers of issues requested and send the order to me.—Dean Martin, Secretary, South Dakota Horticultural Society, South Dakota State College, Brookings, South Dakota.

Annuals for Fragrance: Alyssum, Candytuft, Dianthus (sweet william), Stock, Mignonette, Petunia, Snapdragon, Sweet Pea, Nicotiana, Verbena, and Siberian Wallflower.

Annuals to Grow on Dry Soil: African Daisy, Browallia, Candytuft, Cosmos, Cynoglossum (Blanche Burpee), Gaillardia, California Poppies, Calliopsis, Zinnias, Red Flax and Portulaca.

Annuals to Grow in a Damp Situation: Annual Forget-me-nots (Myosotis), Pansy, Phlox, Sanvitalia, and Butterfly-flower.

HOME OF *Seeds and Trees That Grow
and Satisfy*

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Gurney Seed and Nursery Co.
YANKTON, SOUTH DAKOTA

A Good Lawn—

(Continued from page 3)

It is also possible to purchase cut sod and haul it and lay it yourself. Sod to be cut should have received good turf grass cultural practices, have a dense growth and be free of weeds for best results. In order to do a good job of laying the sod it should be cut with straight sides and have uniform thickness. After the sod has been placed to provide for firm contact of root area with the soil, it should be well-watered and rolled.

MOWING

Clip the grass to a height of $1\frac{1}{2}$ to 2 inches and remove clippings. Mowing actually does not benefit the grass, it merely gives the lawn a neat appearance. The importance of a sharp mower cannot be over emphasized.

PEST CONTROL

Pests of turf grass include insects, rodents, weeds and diseases.

Many soil insects can be controlled with chlordane. This will often eliminate rodent damage such as that caused by moles.

Most annual broad-leaved weeds can be controlled with 2,4-D weed killer. Avoid the use of this material when there is a possibility of it drifting to desirable broad-leaved plants. Several materials are presently available for the control of annual grassy weeds. Some of these products also contain insecticides and fertilizer.

Among the common fungus diseases of lawns are: Brown Patch, Leafspots, Rust and Snowmold. As is the case with all diseases, prevention is the best recommendation for control. Special and broad-spectrum fungicides are available at most garden supply centers. Contact your County Extension Agent for the most recent pest control recommendations.

For additional information on pest control, secure "Lawn Diseases and How to Control Them," Home and Garden Bulletin No. 53, USDA. These bulletins are available at County Extension Service offices.

PRECAUTION

In all cases, when using poisonous pest control materials be sure to follow the manufacturer's directions which appear on the container label. Keep these materials under lock and key or in a safe place away from children or irresponsible persons.

Hort Flashes—

(Continued from page 2)

Flower Show Schedule is in this issue. (It Sounds Exciting!) The May-June issue will carry the complete program plans.

1961 *Rose Buying Guide* is available from the American Rose Society, 4048 Roselea Place, Columbus 14, Ohio. The guide gives information on height the plants grow, color, fragrance and National Rating. Two 1961 All-America Rose Selections listed are the Hybrid tea Duet and the Grandiflora Pink Parfait.

SDSC Releases New Black Walnut

A new black walnut variety named "Centennial," will be released by the Horticulture - Forestry department at South Dakota State College this spring.

According to S. A. McCrory, department head, the variety is one which the late Dr. N. E. Hansen observed in about 1920, growing near New Ulm, Minnesota. Hansen noticed that the tree appeared to possess hardiness in addition to other desirable characteristics. A planting was established in South Dakota and remained under observation until 1943. At that time a selection was made and nuts from the trees were planted in a new location at Brookings.

McCrory says the trees have never shown signs of winter injury. They have produced heavy yields of good black walnuts. The variety was named Centennial because its release coincides with other Dakota territory centennial observances.

"Since walnuts should be planted in the fall or given a special treatment to encourage germination, only the nuts will be available this spring. The nuts will be ready for planting in early May," he said.

McCrory stated that anyone interested in growing these walnut trees may obtain a dozen of the stratified walnuts, ready to plant, by sending one dollar to cover handling and mailing costs to his department. The request should specify Centennial walnuts. "This method of distribution will be used during the first year only. Commercial nurseries will handle distribution after 1961," he says.

North Dakota Releases New Potato Variety

Snowflake, a new white-skinned potato variety, is being released by the Departments of Horticulture and Plant Pathology of the North Dakota State University of Agriculture and Applied Science.

Early maturity, combined with good flaking and desirable chipping quality and field resistance to virus Y, are important characteristics of this new variety. Snowflake matures about the same time as Cobbler and is approximately two weeks earlier than Kennebec.

The new variety is a selection from a cross between Kennebec and ND 457-1, and has been tested and grown under the pedigree number ND 3324-horticulture greenhouse at NDSU at 2. The cross was made in 1952 in the Fargo and the seedling tuber grown in the field at the Langdon Branch Station in 1953, at which time the original selection was made.

Snowflake tubers are very smooth and shallow-eyed, oblong to round in shape and seldom knobby or growth-cracked. In distribution of eyes it is quite comparable with Kennebec. This variety does not tend to green readily when exposed to natural or artificial light.

HARDY 'MUMS'

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Greenhouses**

Vermillion, S. D.
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DAKOTA HORTICULTURE

Through Pruning You Can— 'Spare That Tree'

Shade trees may need pruning to promote their health, improve their appearance, or remove branches that may injure people or property. Examples of such pruning are removal of dead, dying, diseased or broken branches. In some cases you may want to remove low growing or overhanging branches for convenience and safety.

WHEN TO PRUNE

Pruning wounds heal faster if the cuts are made in the early part of the growing season. For this reason it is desirable that most pruning be done in the spring. If you have to prune later in the season make the cuts before freeze-up.

EQUIPMENT FOR PRUNING

A handsaw with 6 teeth to the inch is adequate for normal pruning cuts. For large cuts use a one-man crosscut saw.

Saws and other equipment especially for pruning are available and a good investment if you do a considerable amount of pruning.

HOW TO PRUNE

Make clean cuts flush with the remaining branch or main trunk. Do not leave stubs. See figure 1 for the method of removing either small or large branches. Note that large branches should be undercut first to avoid ripping the bark. Saw about one-third of the way through the underside of the branch about a foot from where the final cut will be made. Saw through the top of the branch about 2 inches beyond the under-cut. When the branch breaks off remove the stub with a third cut.

If considerable pruning is necessary, start at the top of the tree. This will allow removal of cut branches that have lodged in the tree, as the work progresses downward.

New Carnation Varieties Available in 1961

Allegro, Rondo, Andante and Sonata, new carnation varieties recently released by the North Dakota State University College of Agriculture horticulture department, are commercially available for the 1961 planting season, says Harry A. Graves, extension horticulturist.

Allegro is a dubonnet-rose in color, Rondo and Sonata come in shades of

SHAPING THE CUTS
Pruning cuts heal faster if the bark above and below the cuts is removed as shown in figure 2. Removing bark to form an almond shaped section parallel to the branch or trunk lets the sap flow around the wound. This promotes faster healing. Use a wood chisel and a hammer or a sharp knife to remove the bark.

WOUND DRESSING
Apply a wound dressing to pruning cuts to protect the tree. This helps to prevent drying, decay, and entrance of insects.

Two common materials often used for wound dressings are asphalt paint, sometimes called black asphaltum, and orange shellac. You can get these at most paint stores. There are also several special tree paints on the market.

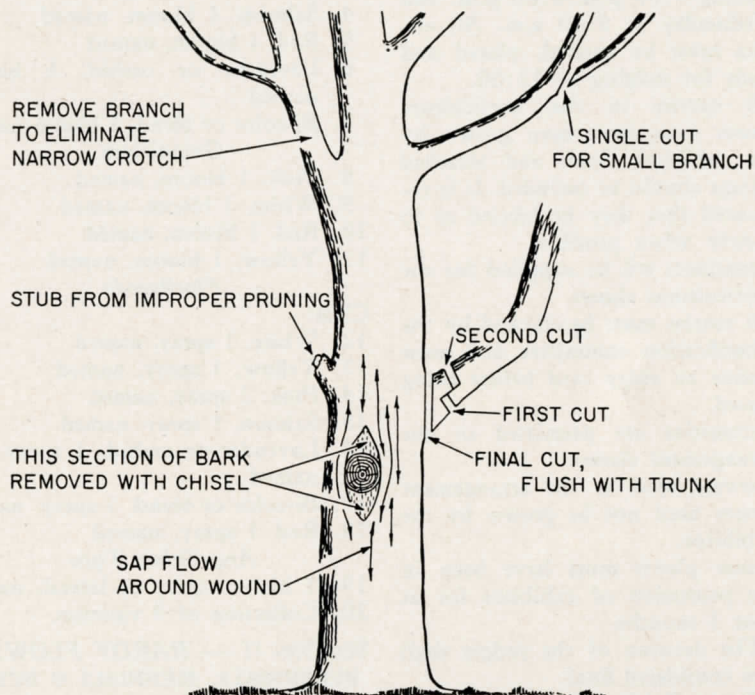
These include liquid plastic and asphalt base paints. These materials may be applied with a paint brush. Some are also available in aerosol form.

Keep wounds covered with a dressing until healing is completed. This may require renewal of the dressing from time to time.

SAFETY

Any work above the ground is hazardous and pruning is no exception.

1. Keep tools in good condition.
2. Handle tools with care while working in the tree.
3. Avoid working in trees when they are wet and slippery.
4. Watch out for electric lines passing through the trees.
5. When using a ladder, have someone steady it.
6. If you have to climb in the tree, be careful not to put your weight on weak branches.
7. Look out for "window-makers" (loose branches hanging in the tree).



pink, and Andante is white, Sonata, the most recent introduction of the 4, begins to bloom early in July and continues until September. Because it does not set seed, the blooms are long lasting.

Sonata produces a vigorous plant and blooms freely, making it an attractive plant for bedding.

All of these carnations lend them-

selves to cutting for bouquets, says Graves.

Hardy carnations of this type can be depended on to thrive satisfactorily for 3 or 4 years without replacement. After 4 seasons of growth, however, there usually is a marked loss of vigor and bloom. When this stage has been reached, replace with young, vigorous plants, Graves advises.

SHOW RULES AND CLASSES

For 11th Annual State Flower Show

The eleventh annual flower show of the South Dakota Federation of Garden Clubs will be held at the First Congregational Church, Aberdeen, South Dakota on June 21 and 22, 1961. The show will be open to the public between 2 p.m. and 9 p.m. on Wednesday and between 9 a.m. and 4 p.m. on Thursday. The theme of the two-day event will be "Pageant of Progress."

FLOWER SHOW RULES

This show has been staged to conform to the standards as set by the National Federation of Garden Clubs.

1. Anyone is cordially invited to exhibit.
2. Only one entry may be made in each class by any exhibitor.
3. Entries will be received Tuesday evening 7:00 p.m.-8:00 p.m. and Wednesday at 8:00 a.m. All entries must be entered, placed and ready for judging by 11:00.
4. All entries in the horticulture classes must have been grown by the exhibitor. Stem and attached foliage should be included. It is requested that they be labeled as to variety when possible.
5. Containers will be supplied for the horticultural classes.
6. All entries must be checked by the Classification committee and must receive an entry card before being placed.
7. Accessories are permitted in the arrangement classes.
8. Flowers used in the arrangement classes need not be grown by the exhibitor.
9. House plants must have been in the possession of exhibitor for at least 3 months.
10. The decision of the judges shall be considered final.
11. Show officials will not assume responsibility for loss or breakage.
12. Entries must be claimed by 5:00 p.m. Thursday, June 22nd.
13. Awards will be ribbons.
14. A tri-color ribbon will be awarded in the artistic division providing it scores 95 points. Classes 96, 97, 98, 103, 104, 105 and 106 are eligible for this award. Fresh cut plant material must predominate.

15. An award of distinction will be awarded in the artistic division providing it scores 95 points. Classes 91, 92, 93, 94, 95, 102 and 107 are eligible for this award.
16. An award of Merit will be given to the best Horticultural specimen, if it scores 95 points.
17. Sweepstakes award will be given to the exhibitor receiving the most blue ribbons. This will be given in both divisions, Horticulture & Artistic Interpretations.
18. Arrangements are not allowed to be made at the show, but there will be space available for "fixing up" any exhibits.

DIVISION I — HORTICULTURE

SECTION I—ROSES

Hybrid Tea

Class:

1. White, 1 bloom, named
 2. Yellow, 1 bloom, named
 3. Pink, 1 bloom, named
 4. Salmon, 1 bloom, named
 5. Red, 1 bloom, named
 6. Lavender or orchid, 1 bloom named
 7. Bi-color or blend, 1 bloom named
- ###### Grandiflora
8. Pink, 1 bloom, named
 9. White, 1 bloom, named
 10. Red, 1 bloom, named
 11. Yellow, 1 bloom, named
- ###### Floribunda

Class:

12. White, 1 spray, named
 13. Yellow, 1 spray, named
 14. Pink, 1 spray, named
 15. Salmon, 1 spray, named
 16. Lavender or orchid, 1 spray, named
 17. Bi-color or blend, 1 spray, named
 18. Red, 1 spray, named
- ###### Any Other Type
19. 1 bloom, spray or lateral, named
 20. Collection of 3 varieties.

SECTION II — HARDY FLOWERS

PERENNIALS, BIENNIALS & BULBS

Columbine

21. Yellow predominating, 5 stems
 22. Red predominating, 5 stems
 23. Blue or purple predominating, 5 stems
 24. Any other color, 5 stems
- ###### Columbine
21. Yellow predominating, 5 stems
 22. Red predominating, 5 stems
 23. Blue or purple predominating, 5 stems
 24. Any other color, 5 stems

Daisies

25. Painted, 5 stems
26. Shasta, any type, 3 stems

Dianthus

27. Any color, 5 stems

Sweet William

28. Any color, 5 blooms

Delphinium

29. White to cream, 1 spike
30. Light to medium blue, 1 spike
31. Dark Blue, 1 spike
32. Mauve, 1 spike
33. Purple, 1 spike
34. Pink, 1 spike
35. Bi-color, light, 1 spike
36. Bi-color, dark, 1 spike

Peonies—with foliage

(stems should be 14" to 16" long)

37. Double, white, 1 stem, named
 38. Double, blush, 1 stem, named
 39. Double, pink, 1 stem, named
 40. Double, red, 1 stem named
 41. Double, collection of 3, named
 42. Double, white, 1 stem, un-named
 43. Double, blush, 1 stem, un-named
 44. Double, pink, 1 stem, un-named
 45. Double, red, 1 stem, un-named
 46. Single, red, 1 stem
 47. Single, pink, 1 stem
 48. Single, blush, 1 stem
 49. Single, white, 1 stem
 50. Any other type, 1 stem
 51. Collection 3 varieties, any color
- ###### Hemerocallis (Day Lily)
52. 1 scape, any color, named
 53. 3 scapes, any color, un-named

Lilies

55. Bearded, 1 stalk, any color named
56. Bearded, 1 stalk, any color un named
57. Any other type, 1 stalk

Penstemon

58. 1 spike, any color

Canterbury Bells

59. 1 spike, any color

Coral Bells

60. 3 stems, any color

Oriental Poppies

61. 1 bloom, any color

Astilbe

62. 1 spike, any color

Digitalis

63. 1 spike, any color

Lupine

64. 1 spike, any color

Pansies

65. 5 stems, any color

Trollius

66. 3 blooms, gold or yellow
67. Any flower not listed, 3 stems

(Continued on page 16)



SOUTH DAKOTA

Federation of GARDEN CLUBS NEWS

Edited by MRS. GEO. M. JORGENSEN, DELL RAPIDS, S. DAK.

'SMOKEY BEAR' Contest Winners

The following Junior Gardener's cards have been selected to enter the National Contest. Names of winners will be announced at the National Convention in Philadelphia—May 14, 1961.

Age group 6-8: Donna Moritz, Brookings, Richard Gering, Hurley, and Mary Janke, Rutland.

Age group 9-11: David Buller, Cynthia Telkamp and Lanita Telkamp all of Brookings.

Age group 12-14: Virginia Lee, Dell Rapids; Richard Graff and Bob Janke of Rutland.

Could South Dakota Win The Sterling Bowl Trophy?

Mrs. John W. Minton, New Mexico, is the fifth person to win the \$5,000 perpetual challenge Sterling Bowl trophy in the annual Rose Arrangement Contest sponsored by Jackson and Perkins Rose Growers. She is the first westerner to make a winning arrangement, one with yellow and orange roses supplemented by two violins.

The 1961 tournament will be held on June 2, with the company paying all expenses of each contestant selected from a region. We have talented arrangers in South Dakota who would bring great honor to our Federation if they will but accept the challenge.

Names of prospective contestants must be submitted to State President, Mrs. Francis Bingen, Andover, for screening, as only two candidates from each region are accepted. Let's have South Dakota represented in Newark, New Jersey, at the sixth annual tournament for good flower arrangers.

P.E.P. Spells New Project Undertaken by National Council

MRS. RICHARD A. MERMIS, *Chairman, National Projects*

With the new Decade comes a new Project—as vitally important and necessary to our Future health and happiness as any we have worked for in the Past. A Project which concerns each and every one of us—Project P. E. P.—“Preserve, Enjoy, Protect” our scenery, and the natural and historic objects and wildlife therein! And this we can do with Good Outdoor Manners to Prevent Vandalism.

The seed for this new project was sown when a request for assistance was received from the Mountaineers of Seattle, Washington, who have been working during the past year to develop a major campaign to combat the increasingly serious problem of vandalism. Included in their material was this comment by Lawrence C. Merriam, Director of the National Park Service, Region 4: “. . . we can pick up litter, but we can not replace a mutilated natural feature, and the cost of repairs to physical structures is enormous.”

Thus the seed for our new Project began to take roots, and grow by leaps and bounds, fed by the shocking facts submitted by Federal and State agencies.

The following are excerpts from official letters from both the National Park and Forest Services:

“breaking into remote patrol cabins and the wanton destruction of emergency food caches that might prove the difference between life and death to persons lost in the winter wilds of a Park. The disfiguring, destroying and damaging of signs, comfort stations, shelters, receptacles, glaciated rock faces, cliff faces, specimen trees, plants and natural features.”

In Yellowstone NP—a number of geysers and pools permanently plugged



by visitor-tossed trash. Some of the largest, too hot, deep, and trigger happy to be cleaned, show signs of suffering a like fate. Grand Canyon NP sent photos showing Rangers roping down over the Canyon wall to pick up litter. Vandalism problems are even worse for the Forest Service which has fewer men, per square mile. They report signs stolen, shelters damaged beyond repair, tables, stoves, latrines destroyed and receptacles stolen. Of the \$20,000.00 loss reported by one Region, \$15,848.00 was for sign replacement. Officials of the Forest Service feel that annual structural losses may easily average \$250,000.00.

(Continued on page 11)

Want Centennial Year Topics? North Dakota Club Studies Own State

In this Centennial year Clubs should be searching past records and historical volumes for program topics and flower show themes. It is with this thought in mind that I present material from the Garden Study Club of Beach, North Dakota, a club which has stressed the beauty, the natural resources, the poets and the naturalists of their state in all of their program year books for many years. The 1961 yearbook from that club is no exception and offers ideas which our clubs might well adopt and adapt.

Wild flowers of their state comes in for major attention, with every member pledged to collect and preserve (not press) as many specimens as possible. A topic on "Poisonous Plants of North Dakota" would come under the study of native flora too.

There is an intensive study of wild flowers conducted during four meetings in addition to the poisonous plant study. Not only that, but each member must bring an arrangement of wild flowers to the meetings, and the four-month study is concluded with—hold your breath—a written examination on the subject!

Another six months of the year is devoted to the study of Naturalists, with each program leader assigned to dig out all the biographical material possible on her subject.

Still true to her native state, the club's flower, emblem, motto, and colors all refer to the "well-armed" Yucca or green and cream Spanish Bayonet native to the plains of the state.

Another feature of the Beach programs which I have always liked are the roll calls on assigned topics for each member. Every month a member must come up with a statement or two on her topic. Among them being 'Current Garden Article,' 'Of Interest to North Dakota,' 'From My Nature Scrap Book,' 'Nature in Poetry,' 'Hints from Organic Gardening,' 'Flowers and Music,' 'From My Garden Magazines,' 'To Do this Month,' 'Grandmother's News,' and others for each member of the club.

The Dell Rapids Garden Club made a start at state study by including a brief topic about the state to precede each program. Such a study should bring out questions about the first garden in the state — Where was it?

When? The first naturalist—the wild flowers found here before settlers began to come in—and myriads of other information. How many questions like this does your club know? For wonderful reading, each club should be required to review the history of gardening in South Dakota written by Mrs. Margaret Davidson, Mobridge. Part of this history also appeared in the book PIONEER AMERICAN GARDENING, a copy of which may be obtained from Mrs. Francis Bingen, Andover.

garden club gleanings

by MRS. DEWEY BENSON, Hurley

New Year Is Symbolized By Fair City Club

A floral arrangement-composition entitled "A New Year's Message Symbolized" was made by Hazel Zeller and presented by Mrs. Leland Skow for the meeting of Fair City Club.

Depicted was a silvered tree with branches reaching upward to represent the New Year. Placed in front of the tree were three white roses, symbols of purity, joy and love. Behind the roses, standing higher, was a lighted candle, symbol of Christ, light of the world. First decoration on the New Year's tree was a white satin ribbon with gold letters 1961 tied with tiny white bells. The thought was that each has his tree to decorate in 1961 and to practice faith, love, hope and charity.

At the business meeting new officers were installed. They are Mrs. Edith February as president; Mrs. L. B. Severance as Vice-president; Mrs. Elmer Lusch as Secretary; and Mrs. R. E. Schwartz as treasurer. Plans were discussed for the year, garden magazines and catalogues reviewed and letters read from out-of-town members.

Mrs. Milo Shultz, past president and past junior garden club state chairman, was voted an honorary member in appreciation of her work and interest in garden club activities. Hostesses were Mrs. February and Mrs. Schwartz.

Pierre Club Elects New Officers

Twenty members and four guests of the Garden Club met at the Airport Cafe for a Christmas dinner party. New officers elected for the coming year were: President, Warren Knipfer; Vice-president, Dean Chrmine; Secretary, Walter Burns; Treasurer, V. F. Schumaker, and Corresponding secretary, Mildred Ackerman.

Milbank Town and Country Gardners Make Gift Trees

The Milbank Town and Country Garden Club met in December at the Farmers room of the court house. The room soon resembled a veritable Christmas workshop with greenery and tree decorations in abundance, as the project of the evening got under way. Over fifty miniature trees were placed in cans of moist sand. Each was attractively decorated for residents of the St. Williams home. Fifteen wreaths were also made and hung on their doors. Four members gave a tree to each Old Timer, and at the same time took time to visit with them. Greenery was furnished by Lowry Elliott's, Karl Loeschke's, and A. H. Riss. For the past three years the Milbank Garden Club have been making these table decorations for the residents of St. Williams. Refreshments consisted of sack lunches with coffee furnished and served by Mr. and Mrs. Paul Hamilton.

Mrs. Ted Arnold, nominating committee chairman presented the slate of officers, who were unanimously elected: Mrs. A. H. Riss, president; Mrs. Helen Stengel, vice-president; Lowery Elliott, 2nd vice-president; Fanny Johnston, secretary-terasurer; Mrs. Agnes Bury, reporter; Mrs. Bessie Buri, corresponding secretary, and Mrs. A. C. Knopf, historian.

New Officers for Rural Garden Circle

The Rural Circle Garden Club of Crooks held a meeting at the Children's Home in Sioux Falls. Each member brought a generous supply of cookies, jams and jellies.

Mr. Don Johnson of the Johnson Nursery gave a very informative lecture on "Pruning."

At the November meeting the following officers were elected: president, Alice Tideman; vice-president, Mrs. Orville Orstad; secretary, Mrs. Carl Nutroe; and treasurer, Mrs. Edwin

(Continued on page 13)

P.E.P. Spells—

(Continued from page 9)

Human safety is often endangered. As simple a thing as the removal or destruction of a direction or warning sign may have serious consequences, may easily result in death or injury.

Until good outdoor manners becomes a by-word, many more scenic natural features will be irreparably damaged or destroyed and many more tax dollars will be wasted.

How can each individual member be of service? We know many offenders are thoughtless, some are careless, a few are actually malicious destructionists. We *must* find a means of controlling all of them.

First, by "policing" our own outdoor manners and setting a good example for our families and others. By tactfully explaining the results of their actions to thoughtless offenders, and by speedily reporting to the nearest person in authority any obstinate or malicious violators we see.

Again we stress the word TACT. Use it whenever possible—in presenting the problem to others—and especially in confronting offenders, antagonizing people will only defeat the purpose.

Let's work with the word TACT—letting each letter express an idea. T—teach; A—act; C—cooperate; T—talk.

TEACH your children proper appreciation and use of the out-of-doors, and they in turn will become the most effective teachers of all. Teach others to appreciate our scenic and recreational resources.

ACT—don't meditate. Write your Congressmen. Offer your help to various agencies in distributing anti-vandalism materials, etc. Use your camera to obtain slides and photos of vandalistic damage and get them before the public. Write the Pennsylvania Forestry Association and join forces with their "Howdy, the Good Outdoor Manners Raccoon." (It is expected that he will eventually become a national symbol comparable to Smokey, the Bear.)

CO-OPERATE—with all organizations and agencies interested in this most worthwhile endeavor. Get permission to collect damaged trail mark-



ers, etc., and make into a window display for sporting goods stores. This would make a good Scout project. Make a photo display and/or slide file.

TALK—just talking to relatives, friends, neighbors, business and club associates and particularly to young people's groups—can be very effective. Cautious and skillful handling of the subject will be necessary where youngsters are concerned. We must NOT give them destructive ideas. Tell them "how-to" instead of "how NOT to." Talk to the Rangers in the areas you visit and discover the problems pertaining to different locales. Talk to any individual or group interested in the Parks or Recreation areas in your community. Learn their problems and desires and how you might be of service.

"The more this problem is brought before the traveling public, the more they realize the irreparable damage wrought to the heritage which is everyone's, the sooner we shall be able to concentrate on our real purpose—that of maintaining the areas for the benefit and enjoyment of the public."

Correction

The nomination committee as appointed by Mrs. Francis Bingen, SDFGC President, is Mrs. E. A. Locke, Webster; Mrs. Ray Jarrett, Britton, and Mrs. Andrew Photakos, Huron.

Philadelphia Beckons

An invitation to "Winterthur in the Spring," to the Longwood Gardens, John Bartram's house, Old Philadelphia, Gettysburg, historic churches, and many other exciting places is on the agenda for the 32nd annual meeting of the National Council of State Garden Clubs from May 14 to 19, 1961.

Famous speakers include Mrs. Howard S. Kittel who was recently honored as the Garden Club Member of the Year in Texas, Prof. E. R. Honeywell, Mr. Hubert Owens, Anne Wertsner Wood, and L. J. Tolle who will speak on the Religion Symbolism in Flower Arranging.

In addition, South Dakota members will participate actively in the meeting. We should support them. The big Package Plan registration is \$60.00 before April 10th, with an added \$5.00 fee for those who cannot make up their mind by that time.

Make checks payable to "1961 Philadelphia Convention Fund" and address reservation requests to Mrs. Howard C. Horn, Sugartown Toar, Malvern R.D. 2, Pa. Write to Mrs. Francis Bingen for further information or to Mrs. Geo. M. Jorgensen, Dell Rapids.

Garden Clubs to Sponsor Sultner-Welles

A special program in color photography will be held in the Brookings Jr. High School Auditorium Saturday evening, June 3 at 8 p.m. It will feature Donald Sultner-Welles, a nationally known authority in color photography.

He is an American photographer-lecturer who is said to exchange international culture through color slides. In 1954 he was an official guest of the West German government, the only photographer from any country so honored. He toured Europe again in 1957 and 1958 under the sponsorship of the U. S. government. In 1959 he went on another world tour as "America's Ambassador with camera." During the tour he gave 127 presentations, including outdoor showings before the King of Laos, Sultan of Tregganu and the King and Queen of Malaya, and the Crown Prince of Thailand.

Sultner-Welles has been acclaimed for his unusual 'eye,' not only for technical excellence of his pictures but also his keen perception in capturing diversity of subject matter.

Tickets will be sold in advance for \$100 by Brookings Garden Clubs and other clubs in the State.

Mrs. Leo Monteith is local chairman.

Fifth District Begins Guidance Project Center

Fifth District of the SDFGC under District chairman, Mrs. Edwin Olson, has organized working units to raise funds for the District project as voted at the fall meeting.

Presidents and representatives of the garden clubs of the district were entertained in the beautiful new home of Mrs. G. C. Egge in Sioux Falls, to discuss the landscaping project for the new Guidance Center building to be erected in that city.

A committee consisting of Mrs. Egge, Mrs. Richard Flint, and Mrs. George Domnissee, all of Sioux Falls, were appointed to make the final decision, and met again with the chairman on January 16. Temporary plans call for a guest artist to demonstrate flower arranging, to the general public this next spring.



Donald Sultner-Welles

Huron Arrangers Entertain At Christmas Tea

The Arranger's Club of Huron entertained at an annual Christmas Tea at the home of Mrs. G. R. McArthur, with Third District officers and other guests in attendance. Arrangements designed by each member of the club were displayed under such intriguing titles as "Golden Petals," "Keeping the Watch," "Snow touched Greens" and other holiday themes. The program included a recording based on Dickens' "A Christmas Carol."

Mrs. C. E. DeBolt, president, presided at the tea table centered with a pink net tree covered with miniature cone angels.

CONSERVATION

'CONSIDER THIS SOIL'

It lies as far as the eye can see. It covers millions on millions of acres around the globe, yet it is a rare thing and cannot be replaced.

This soil is a living thing. Yet it can be destroyed.

This soil is a fruitful thing. Yet it can become sterile.

This soil is God's gift to mankind, given unto our stewardship. Yet it can be despoiled and wasted.

This soil produces crops and verdant grass and trees. It cannot be duplicated by chemistry or physics.

This soil is an intricate house of myriad elements. Yet it is so commonplace as to be known as dirt.

It fills the flower pot in Manhattan, serves as a garden in Minnesota, and produces an orchard in California—this thing called soil.

It is the spectacle of the Grand Canyon, the flatness of the Plains, and the rolling convolutions of the Shenandoah Valley—this thing called soil.

It is the source of our nourishment; it provides the means of our protection.

God has willed we can live with it; we cannot live without it.

Consider the soil. Consider it well.

—Reprinted from the Rocky Mountain Region Program, 1960.

S. Dak. Conservation Chairman Is Mrs. Lawrence Eslinger

Promote Conservation? Some Things to Do

"A home without trees is charmless;
A road without trees is shadeless;
A park without trees is purposeless;
A country without trees is hopeless.

—Anonymous

Every serious gardener in the state recognizes the truth of the above.

What can YOU do about it? You can teach *preservation* of present tree plantings and natural beauty spots. You can *promote* planting of more trees, shrubs, grass and flowers in your own and in public places. You can *protect* the tilth of your own soil by good conservation practices. You can *encourage* the birds to nest by supplying them with protected nesting sites. You can *Enjoy* the precious heritage of beauty that we still have.

Sources of materials to help you and your club to promote conservation:

Regional Forester, U.S. Forest Service, Federal Center Building 85, Denver 7, Colorado.

Your State Soil Conservation Service at Huron.

National Audubon Society, 1130 Fifth Avenue, New York 28, N.Y.

The U.S. Forest Service has dozens of bulletins, pamphlets, maps, charts and pictures to help you. Write for their list. Among the finest are the two maps "How a Tree Grows" and "What Do We Get From Trees."

DAKOTA HORTICULTURE

Gleanings cont'd—

(Continued from page 10)

Johnson. A very interesting topic on "Heralding the Christmas Season" was given by Mrs. Johnson and Mrs. Tro-lae, who also displayed Christmas arrangements and decorations.

The club enjoyed their annual family Christmas party and supper at the Fireman's Hall in Crooks. The evening was spent singing Christmas carols and a program by the youngsters. Secret pals were revealed with the exchange of gifts.

Tray Favors Indicate Rapid City Has Busy Year

The Rapid City Garden Club during the summer furnished flowers for one thousand tray bouquets for the local hospitals. During the winter months we are furnishing the tray favors once each month for the Nursing Homes for the Aged.

At a meeting held before Christmas members and friends made Christmas wreaths and other home decorations. A small charge is made for materials used. The 1961 Home and Garden calendars were sold to make money for the club. Our annual fall plant sale held at Canyon Lake Park was a success.

Hurley Plans Flower Workshops

Hurley Green Thumb Garden Club is planning a series of Flower Arrangement workshops on June 6, June 11, August 1; and a guest speaker on flower Arrangements on September 5. As we scan through our Year book we notice—a hobo Trek to Newton Hills; a study of lilies; one on delphinium and on color. Looks like another busy year for the Green Thumbs.

Sunshine Garden Club at Highmore Has New Officers

New officers at the Sunshine Garden Club for 1961 are: president, Mrs. Marie Drew; vice president, Mrs. Marion Wright; secretary, Miss Thelma Christensen; and treasurer, Mrs. Clara Haiwick.

At our December meeting we had our Christmas party with our families as our guests. A bountiful pot-luck supper was served from a beautifully decorated table. Members exchanged gifts and a donation was given to the Home and Hospital at Redfield. Gifts given by members were distributed by the Therapy Committee to local shut-ins.

Baltic Garden Club Helps Start New Club in Chile

National Council's World Gardening Program has received a boost from the Green Growers Garden Club at Baltic, the first club in the state to report activity along that line. A note from Mrs. Gordon Thompson, historian of the club, says:

"The Green Growers Garden Club of Baltic is having a wonderful time helping a new garden club in Chile, South America. Mrs. Greg Parker, formerly Beatrice Nustad of Baltic, wrote for help when their newly formed club decided to hold a flower show in February (corresponding to August in South Dakota). Much material has been sent and members are hoping to hear soon how the club is progressing. After hearing of the difficulties involved in raising flowers in Chile we all decided South Dakota has a wonderful climate!"

The following excerpts concerning gardening on the opposite side of the equator are from one of Mrs. Parker's letters. "The climate at El Salvador is desert, with practically no rainfall, with eight months of summer and

Our Tulip sale last fall was very successful. In fact we found it a much better way of raising funds than sponsoring a plant sale.

We are looking forward to a good year in Club work and happy gardening.

Green Growers Choose "Diversified Gardening"

At the first meeting of the year, the Green Growers of Baltic, made tentative plans for the year's activities. These include the Spring Tea and Flower Show, a trip to various greenhouses, and a fall tour to collect seed pods and materials for dried arrangements. They will also buy glad bulbs at wholesale to sell at the Spring Tea, according to Mrs. Clarence Dregseth, Secretary-treasurer. Theme for the year is Diversified Gardening. Other officers in addition to Mrs. Dregseth are Mrs. Harold Williamson, president and Mrs. Irvin Lovseth, vice-president. Committees are headed by Mrs. Dregseth, finance; Mrs. George Moe, Litterbug; Marilyn Johnson, reporter; Cora Endahl, scrap book; and Mrs. Gordon Thompson, historian. The meeting was held January at the home of Julia Lewis.

four of cool weather. Flowers and green grass are found all year round and the words 'annual' and 'perennial' have no meaning here. The sun shines about 360 days of the year so plants need constant irrigation and protection from the strong rays. The territory has no natural vegetation except some sage brush and millions of rocks of all sizes. The soil is very sandy, with no humus to speak of. We used 15 gunny sacks of manure and two sacks of sawdust on our minute lawn. There is very poor aeration of the soil, and if you sift it before planting, the leavings pack down so tightly the roots cannot penetrate it. It is quite a challenge to garden here because you can get real good effects with a lot of hard work; and a lot of failures from the terrific amount of burning sun.

"Some flowers do very well here. Geraniums grow to tremendous sizes, as much as three and four feet tall. They grow wild in other parts of Chile, as do poinsettia trees which are 15 feet tall; sweet peas are 10 feet long, and nasturtiums eight to ten feet. Sweet peas and nasturtiums are used like ivy to cover fences and the sides of houses. Vegetable gardens do well sometimes, with a long growing season ample for the slowest of varieties. This all takes a great deal of work and water, however, and the water periodically gets very low as it has to be piped all the way from Argentina."

The Green Growers have decided that one must really want to garden to try it in Chile, and we should not complain about growing conditions here," says Mrs. Thompson.

The cost of assisting with a project of this sort must also be taken into consideration, as Mrs. Thompson says one letter cost 65c, another 40c. Books and pamphlets are being sent by boat at a much cheaper rate, but take four to six weeks in transit. The address of this enterprising gardener is Mrs. Greg Parker, A.C.M.C. Potrerillos, Chile, South America.

Assistance to gardeners in South America is exactly in line with the National program, as Mrs. Chas. Hoffman, National Chairman of World

(Continued on page 14)

SIoux EMPIRE CLUBS PRESENT 'GARDENING AS A HOBBY' ON TV

With State Radio-TV Chairman, Mrs. Charles Egan, at the controls, the SDFGC has made a start at projecting the gardening theme over the air channels of the Sioux Empire.

Aberdeen is the bright spot, with regular programs each month on the second Monday at 3:30 p.m. Mrs. George Kutschke, Mrs. Charles Croes and Mrs. W. P. Wells present the programs, which will continue through 1961. If your club has had a good program, a paper telling about an exciting new plant, a successful garden club project, or an authentic garden experience, why not get in touch with these ladies so they can publicize the event and help others to realize the fun, and the shared social enjoyment of gardening and garden club. Listeners are also invited to send questions which will be answered on the programs.

KSOO, Sioux Falls, has just presented a well-rounded half hour of "Gardening as a Hobby" on January 21st, variety of which should captivate a great many listeners. Happily, the virus which delayed our winter trip, allowed me to watch this fascinating program by prominent Sioux Falls gardeners and flower artists, representing the In and Outdoor Gardening Round Table of the AAUW, the Sioux Falls Garden Club, the Garden Hobbyists, Tri-State Garden Club of Valley Springs and the South Sioux Garden Club, as well as the Occupational Therapy Department of the Veteran's Hospital.

Monitored by Mrs. Howard Crandall, leader of AAUW gardening activities, and an old friend of South Dakota garden clubs, she presented in turn, Mrs. Walter Mortenson, National Council Accredited Judge, who is a skilled arranger; Mrs. G. C. Egge, flower arranging artist; Mrs. Delbert Taute, long time junior leader and student judge; young Dwight Judson, representing the 4-H and Junior Garden groups; and Miss Lillian Greenstein, Occupational Therapist. Essentially the program extolled the joys and therapeutic value of gardening and related activities such as flower arranging, corsage making and encouraging the birds to live with you by making bird houses for them. Work-

ing as a team, Mrs. Mortenson detailed the steps to take while Mrs. Egge fashioned a lovely corsage. An interesting suggestion was made that practice in this area could well be accomplished by using artificial blossoms which could be handled over and over again.

Another team of demonstrators consisted of Mrs. Taute and young Dwight. The latter will surely intrigue a good many youngsters to plant a flat of seeds after watching his careful but deft handling of zinnia seeds and learning that he will have flowers in blossom about the time most folks are planting them in the garden. Mrs. Taute followed his actions with explanations of each, and spoke of the many activities available to youngsters who become members of 4-H and junior gardening groups. Other displays consisted of flower arrangements, corn husk dolls, decorated eggs and seed plaques made by the young people.

Since the program immediately preceded the flower show at the Sioux Empire Farm Show, many of these ideas could be adapted to entries in that section.

Concluding the program Miss Greenstein thrilled her audience with her account of the increased health and usefulness which is possible for patients of the Veteran's Hospital when they become interested in some phase of gardening activity.

She concluded her talk on the therapeutic value of gardening with a plea for volunteer workers who were interested in helping people. She emphasized that it was the spirit of enthusiasms and willingness that was important in a volunteer assistant, rather than knowledge, as a patient needs to have constant assurance of progress in order to gain more coordination, and recover confidence in his own ability.

Baltic Club Helps—

(Continued from page 13)

Gardening, says: "We are particularly anxious to have more communications with South America. Events during the past year point up the importance of a better understanding with its people. We have one affiliate in Chile, the

(Continued on page 16)

COMING EVENTS Plan for Them

JUNE 4

It is none too early to arrange your calendar to include all of the events you will want to attend in June. Chronologically the D. Sultner Wells program of spectacular scenery will be shown in the Brookings Armory, Sunday evening, June 4. Mrs. Leo Monteith is local chairman for the event. Tickets will sell in advance for a bargain price of \$1.00 while the late comers will pay a half dollar more at the door. This is a money making project to replenish the SDFGC treasury and should have the support of every garden club.

JUNE 8-10

Between June 4th and June 8th you will just have time to give a quick once-over to the garden and lawn before you take off for Cheyenne, Wyoming, and the wonderful Rocky Mountain Region Meeting planned there. This meeting is scheduled for June 8 to 10th in the First M.E. Church, with the Wyoming State meeting the last two days. From there we go to the Diamond Ranch camp 14 miles west of Chugwater for Course I of Wyoming's very first Flower Show School. There will be a horticulture Forum and arrangement workshop as well as a tour of local gardens (including Mr. and Mrs. Lowell Storm's famous estate). The best of it is—at Diamond Camp there is fishing, horseback riding, swimming, etc. for husbands and family. Charge for the school is \$7.50. Meals are 75c for all you can eat, with a \$2.00 camp fee per day. "Come and take your vacation with us" say the Storms.

JUNE 21-23

Next on the busy schedule is our own State Convention to be held at Aberdeen June 21-23. While details are not available at this writing (in January) we know the Aberdeen Garden Club members are busy with preparations assisted with a big hand from Mrs. Bingen. Theme for the convention will be a Pioneer one with decorations in keeping with the theme.

DAKOTA HORTICULTURE

THE PLANTING OF A TREE 'An Arbor Day Ceremony'

By MISS ADELINE JENNY

Litany Responses for Garden Club Members

LEADER: Because trees hold soil and moisture, and protect vegetation and wild life from the ravages of drouth and run off,

GARDEN CLUB MEMBERS: We of the Garden Clubs of America, plant trees.

LEADER: Because trees offer shade and protection to man and beast; in the homestead areas they protect from heat in summer and from cold blasts in winter,

G. C. MEMBERS: We of the Garden Clubs of America plant trees.

LEADER: Because trees furnish homes for nesting birds and for their safety, and because they furnish man with fruit and nuts, with lumber and material for our paints, and pulp for cloth and paper, tar and rosin,

G. C. MEMBERS: We of the Garden Clubs of America plant trees.

LEADER: Because trees are beautiful and restful, and aspiring and inspiring—beautiful against the sky, beautiful and cool tents in summer, beautiful frost rimmed or snow crowned, beautiful planted singly and in groups; beautiful in spring with their tender green buds and flower, beautiful in autumn with their glorious coloring,

G. C. MEMBERS: We of the Garden Clubs of America plant trees.

LEADER: We also plant them as memorials of happy events, and memorials of those who have loved us and are beloved, and so we plant trees as memorials.

G. C. MEMBERS: We of the Garden Clubs of America plant trees as memorials.

IN UNISON: Father God, creator and sustainer of our trees, we thank Thee for their use and for their beauty, for their comfort giving and for their upward reach. We thank Thee for their companionship and for the companionship we have had with those in whose memory we plant these trees. We thank Thee that we have shared with them the beauty and comfort of trees; the outdoors and the flowers. May all those who enjoy the shelter and the

beauty of these trees gain from them comfort, inspiration and blessing in the years to come. Grant us and our work as a Garden Club Thy blessing and Thy guidance, today and always. Amen.

IN MEMORIAM

READER (Miss Adeline Jenny): As the sun turns north and the breeze is a-wing with the tingling assurance that again it is spring,

O Mother Earth, in your care we place these tender rootlets. Give them the space to spread and strike deep for their nourishing.

O Father Sun, send your vital rays to each separate fiber till it obeys the Call of Life in these miracle days. Give it rich share in your quickening.

Sister Rain, Sister Rain, All these have scant power until you release your life-giving power. Come with grey downpour or silvery shower; Come as mist, hoarfrost, or glistening dew. Drench it and cleanse it, its vigor renew; For—when it hears your rain-drops sing—then it will sway to the rhythm of spring.

And O Little Birds of the life, migrant wing, pause here in flight, or nest here, but bring to this our wee tree, your love caroling—so it may learn the high passion of spring.

IN UNISON: Our Father God: we lift now the heart: make us to know how only from Thee issue the Mysteries of Life in this tree; the Mystery of Lovers of Life such as those whom we here honor. Grant now for all, even as we, who shall be glad in all beauty Thou givest so free, a place in Thy grace, that this planting may bring the triumphal faith in the Eternal Spring. Amen.

(This lovely service was given at the tree planting ceremony of the Tri-State Garden Club on Arbor Day, 1960, when they planted two hackberry trees on the Hospital grounds. A May Day tree donated by Mrs. Shafer was also planted to replace an evergreen which had died.)

Council Books, Box 4965, Philadelphia 19, Pa.

National Council will pay for photography of all entries which are accepted for publication—not for those rejected.

Start Taking Pictures When Tulips Blossom

Congratulations to the clubs which sold National Flower and Garden Calendars as a money making project this year. Other clubs will find it an easy way to replenish a depleted treasury. With the flower show season just ahead it is still not too late to send to National Council Books for more copies of the 1961 Calendar for use as flower arrangement texts filled with ideas to adapt to your own arrangement needs. Where else can you buy a book of 52 big floral designs and accompanying legends, plus two garden designs, for such a small price?

Our only regret is that but one SDFGC flower arranger is represented in the 1961 book. Mrs. Mary Baughman's lovely Madonna arrangement from their Christmas show in 1959 is the only contribution from our state. There are but six from our Region, with Kansas in the lead with two designs pictured.

It is difficult to realize that plans for the future calendars must be made a long time in advance and that entries for the 1962 calendar closed in December 1960. Therefore it is important that you set your sights for 1963 by taking pictures of your best designs all through this year, beginning with the very first arrangements you make for your Tulip Tea and other spring shows.

A few rules concerning photography must be observed so your entry will be considered.

1. Only vertical, glossy prints (8x10) will be considered.
2. Remove award ribbons or other cards before taking the picture.
3. Avoid backgrounds that are patterned or that show any other objects.
4. DO NOT WRITE ON THE BACK of photograph. Do not fasten with clips. Use a separate piece of paper for information, and attach to back with gummed tape.
5. Additional information sent with photograph must include application blank with name, address, garden club and its location. Theme of the arrangement. Name, variety and color of plant materials used. Description of accessories if used, and size of the completed design. Name of photographer. Date picture was taken.
6. Address all inquiries to National

Show Rules and Classes—

(Continued from page 8)

SECTION III—TREES or SHRUBS

- 68. Flowering branch, not over 24"
- 69. Foliage branch, not over 24"
- 70. Collection, 3 branches, not over 24"

SECTION IV—HOUSE PLANTS

Class

Saintpaulias

- 71. Double, named, 1 plant
- 72. Single, named, 1 plant
- 73. Double, un-named, 1 plant
- 74. Single, un-named, 1 plant
- 75. Gloxinia, any color, 1 plant
- 76. Geranium, any color, 1 plant
- 77. Flowering Begonia, 1 plant.
- 78. Fern, any variety (pot not over 7")
- 79. Foliage plant (pot not over 7")
- 80. Cacti or succulent, 1 specimen
- 81. Any vine or climbing plant
- 82. Any house plant not listed.

DIVISION II—JUNIOR DIVISION

SECTION I—HORTICULTURE

Class

- 83. Any house plant, rooted in water, 1 specimen
- 84. Plant in bloom, 1 specimen
- 85. Any foliage plant, 1 specimen
- 86. Cacti or succulent dish garden

SECTION II—ARTISTIC ARRANGEMENTS

- 87. Prairie School: Arr. for teacher's desk (to be viewed from all sides)
- 88. Indian Pow-Pow: Bright flowers with an Indian accessory.
- 89. Wild Bill Kickok: Use a horse figurine with roadside materials.
- 90. For a Pioneer Lady: A basket arrangement of old-fashioned flowers.

DIVISION III

Educational Exhibit

Courtesy of S. D. State College at Brookings.

How to grow better house plants
Horticulture hobbies.

DIVISION IV—ARTISTIC

INTERPRETATIONS

PAGEANT OF PROGRESS

Act I—Territorial Times

(1861-1889)

- 91. *Early Settlers*: Use a rustic container.
- 92. *Indians*: A design with Indian corn and/or other dried materials.
- 93. *Gold Discovered*: A composition in yellow and gold. Gilded material permitted.
- 94. *Blizzard*: White plant material in

a white container. Some painted material permitted.

Act II—The Young State

(1889-1929)

- 95. *Gay Nineties*: Pink flowers, featuring a figurine.
- 96. *Candlelight and Damask*: Dinner table arrangement with candles.
- 97. *Abundant Harvest*: Fruit and/or vegetables and flowers.
- 98. *Frivolous Twenties*: Corsages. Must be in a cellophane envelope.
- 99. *Jazz Babies*: Modern arr. in miniature (not over 5" in any dimension).

Intermission

- 100. *East-West-South Dakota Arrangers Are the Best*: Moribana style Arrangement. Courtesy of the accredited judges. (Not to be judged.)

ACT III Trial and Triumph

(1929-1961)

- 101. *Lean Years*: Line Arrangement. Use a small amount of material.
- 102. *Desolation and Despair*: Weathered wood, weeds, cacti, etc. Native flowers.
- 103. *Peace and Prosperity*: Elegant Arr. including at least one Peace Rose.
- 104. *Skyscrapers on the Prairie*: Vertical Arr. in green, or blue and green.
- 105. *Wheels of Progress*: Arr. suggests circles, or semi-circles or spirals.
- 106. *Memories of Yesterday*: Mass. Arr. of old-fashioned flowers. Fragrance to count.
- 107. *Excitement of Tomorrow*: Futuristic line Arrangement.
- 108. *Today We Celebrate*: Buffet supper setting for open house. Decorative unit for a table approximately 40"x60". This class will be staged on tables approximately 32"x50" against a light grey background or your own if preferred. Service for 4, no flatware. Tables provided by the committee. Entries limited to 5. Advance entries necessary. Contact Mrs. Ray Jarrett, Britton, or Mrs. George Kutschke, 306 S. Congress, Aberdeen, before June 1st.

Epilogue: Centennial Summer

- 106. *Memories of Yesterday*: Mass. Arr. of old-fashioned flowers. Fragrance to count.
- 107. *Excitement of Tomorrow*: Futuristic line Arrangement.
- 108. *Today We Celebrate*: Buffet supper setting for open house. Decorative unit for a table approximately 40"x60". This class will be staged on tables approximately 32"x50" against a light grey background or your own if preferred. Service for 4, no flatware. Tables provided by the committee. Entries limited to 5. Advance entries necessary. Contact Mrs. Ray Jarrett, Britton, or Mrs. George Kutschke, 306 S. Congress, Aberdeen, before June 1st.

FLOWER SHOW COMMITTEE

General Chairman: Mrs. Earl H. Locke, Webster, S. D.

Staging Chairman: Mrs. George Kutschke, 306 Congress, Aberdeen,

Mrs. Lewis E. Larson, 214 S. Congress, Aberdeen

Schedule Chairman: Mrs. Edward Locke, Webster, S. D., Mrs. Jerome Likness, Langford, S. D.

Entries Chairman: Mrs. Ray Jarrett, Britton, S. D., Mrs. Edith Mock, Britton, S. D.

Classifications Chr.: Mrs. E. F. Paeth, Groton, S. D., Kathleen Dailey, Groton, S. D.

Judges Chairman: Mrs. Francis Nelson, Hurley, S. D.

Publicity Chairman: Mrs. Charles Croes, 1403 N. Main, Aberdeen.

Junior Division Chr.: Elizabeth Easton, Aberdeen, S. D.

Hostess Chairman: Mrs. Roy Shoop, Aberdeen, Mrs. Paul Miller, Aberdeen.

Baltic Club Helps—

(Continued from page 14)

Club de Jardines. It would be nice to have an affiliate in each country. Meanwhile visitors to that country could encourage communications with gardeners there.

Several copies of South Dakota Horticulture Magazine are also on file in the Department of Agriculture library in Porto Alegre, Rio Grande do Sul, Brazil, at the request of the Secretaria da Agricultura.

An easy and friendly way to participate in this World Gardening program would be to contribute to Mrs. Hoffman's "Picture Bank," as requested by her last winter. These slides need not be your finest or more recent slides, but each slide must be accompanied by a brief identifying note. Slides may depict gardens, horticulture, flower arrangements or flower shows but be sure to include the commentary. "In time we could do it on an exchange basis" says Mrs. Hoffman. Send slides to Mrs. Chas. Hoffman, Chateau Lafayette, Scarsdale, New York. You may also send contributions to her "Tree Fund" and the "Seed Fund." Mrs. Hoffman concludes her letter with this note in regard to private correspondence: "It should be understood that opportunities for international communications which come to individuals or clubs from friends from abroad, or churches, or similar organizations, should be encouraged. However, these should be reported to the World Gardening chairman so her state receives credit."